



TOWERKLENE 50-S

Machine and Sump Cleaner

TOWERKLENE 50-S is an effective liquid sump cleaner composed of a unique blend of cleansing agents, rinse aids and disinfectants for the cleaning of machine tool sumps and central systems while they **remain in operation**. **TOWERKLENE 50-S** is silicate-free with good in-process corrosion protection and low residues. **TOWERKLENE 50-S** is extremely efficient, low foaming and safe for use on all metals. Heating the system is not required when using **TOWERKLENE 50-S**.

CLEANING PROCEDURE:

- **TOWERKLENE 50-S** should be used at dilutions from 2% to 6%. Start the cleaning process by adding the **TOWERKLENE 50-S** directly to the working system. To determine the level of cleaner in the system check the refractive index of the working system before adding the **TOWERKLENE 50-S** concentrate. Each 1% level of cleaner added to the system will increase the refractometer reading by 0.4.
- Machine may continue to operate and produce parts for up to sixteen (16) hours while cleaning itself internally. Machine should then be drained and rinsed with clean water.
- Recharge the machine with fresh metalworking fluid immediately to prevent any rusting of machine surfaces.
- Prior to running machine place a pail/container under the spindle/coolant line and run coolant until all old coolant and cleaner has been removed from the system.

TYPICAL SPECIFICATIONS

Appearance:	Yellow liquid
pH (concentrate):	9.8 – 10.5
Refractometer Factor:	2.5
Refractometer Reading (1%):	0.4
Pounds Per Gallon:	8.75